

Claims

1. A mobile containerized autopsy facility for use in distant contamination zones, comprising at least one enclosure which includes at least one
5 seamless and sealable compartment, which compartment meets biohazard safety level 3 and 4 requirements.
2. The mobile containerized autopsy facility according to claim 1, wherein the facility is in the form of a standard cargo container.
- 10 3. The mobile containerized autopsy facility according to claim 1 or 2, wherein the facility comprises an exterior housing in the form of the container and having an internal enclosure therein which contains the one or more compartments.
- 15 4. The mobile containerized autopsy facility according to any one of claims 1 to 3, wherein the internal air of the or each compartment is present in a negative air pressure relative to the external environment surrounding the facility.
- 20 5. The mobile containerized autopsy facility according to claim 4, wherein the internal air is treated by filtration and/or scrubbing prior to discharge to the external environment.
- 25 6. A mobile containerized autopsy facility according to any one of claims 1 to 5, wherein at least one of the compartments is an autopsy room.
7. The mobile containerized autopsy facility according to claim 6, wherein the autopsy room further comprises a down draft work station comprising a
30 ventilated autopsy dissection table, wherein a down draft of exhaust air is provided to draw fumes and airborne organisms away from the source and away from the at least one operator(s).

8. The mobile containerized autopsy facility according to claim 7, wherein the autopsy room further comprises a ventilated mobile autopsy trolley with a body tray to work in conjunction with the ventilated autopsy dissection table.
- 5 9. The mobile containerized autopsy facility according to claim 8, wherein the ventilated mobile autopsy trolley includes a perforated tray at the lower portion for the placement of instruments and samples to be carried in and out of the autopsy room.
- 10 10. A mobile containerized autopsy facility for use in distant contamination zones according to any one of claims 1 to 9, wherein there is a second compartment that comprises at least one decontamination room.
- 15 11. A mobile containerized autopsy facility according to claim 10, wherein the at least one decontamination room provides for either or both pre- or post-operative decontamination.
- 20 12. A mobile containerized autopsy facility according to claim 11, wherein the pre-operative decontamination room functions as a change room.
- 25 13. The mobile containerized autopsy facility according to claim 11 or claim 12, wherein the or each decontamination room further comprises a chemical decontamination shower system.
- 30 14. The mobile containerized autopsy facility according to any one of claims 11 to 13, wherein the said post-operative decontamination room includes provision for bodies or body parts after examination and discarded protective suits of the autopsy practitioners wherein said bodies or body parts and said suits are placed in double bags for subsequent disposal.

15. A mobile containerized autopsy facility according to any one of claims 1 to 14, wherein one of the compartments is an air filtration room.

16. The mobile containerized autopsy facility according to any one of
5 claims 1 to 15, wherein the or each compartment is sealable by one or more gas tight doors.

17. The mobile containerized autopsy facility according to claim 16,
10 wherein the or each door is operable independently of the at least one other door to ensure maintenance of negative pressure there-between and within the compartment.

18. The mobile containerized autopsy facility according to any one of
15 claims 1 to 17, wherein the facility further comprises connections adapted for receiving the external supply for a ventilation system, a plumbing system, an electrical supply system, an air-conditioning system and/or a waste discharge system.

19. The mobile containerized autopsy facility according to claim 18,
20 wherein said connections comprise quick de-coupling systems.

20. The mobile containerized autopsy facility according to claim 18 or claim
19, wherein the external supply of ventilation, plumbing, electricity, air-
conditioning and/or waste discharge is located in at least one second
25 enclosure adapted for providing said supply to the facility.

21. The mobile containerized autopsy facility according to any one of
claims 18 to 20, wherein the ventilation system provides a high rate of
exchange.

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22. The mobile containerized autopsy facility according to any one of
claims 18 to 21, wherein the ventilation system includes a safe change HEPA

filtration system in conjunction with a gas-phase filtration system for reducing the odour of any expelled air prior to discharge to the external environment.

23. The mobile containerized autopsy facility according to any one of
5 claims 18 to 22, wherein the ventilation and/or air-conditioning system further includes at least one self-contained breathing apparatus system to supply breathing air for the at least one suit worn by the at least one operator(s).
24. The mobile containerized autopsy facility according to claim 23,
10 wherein the or each enclosure further comprises a compressed breathing air-line supply to supply air for the at least one suit(s).
25. The mobile containerized autopsy facility according to claim 24,
15 wherein the breathing apparatus system includes an air compressor and a flow monitoring system to ensure back-up air supply for said suit(s).
26. The mobile containerized autopsy facility according to any one of
20 claims 18 to 25, wherein the ventilation system draws the internal air of the facility from the inside of the compartment to the outside of the facility by means of an exhaust system, thereby creating a negative air pressure in the compartment.
27. The mobile containerized autopsy facility according to claim 26,
25 wherein the exhaust system further includes at least one standby fan.
28. The mobile containerized autopsy facility according to any one of
claims 1 to 27, further comprising an auxiliary back-up power supply means.
29. The mobile containerized autopsy facility according to any one of
30 claims 20 to 28, wherein there is provided an integrated administration suite within the second enclosure.

30. The mobile containerized autopsy facility according to any one of claims 1 to 29, wherein the or each enclosure further comprises a video close-circuit monitoring.

5 31. The mobile containerized autopsy facility according to any one of claims 1 to 30, wherein the or each enclosure further comprises a hands-free intercom system.

10 32. The mobile containerized autopsy facility according to any one of claims 1 to 31, wherein the or each enclosure further comprises a processed drainage outlet.

15 33. The mobile containerized autopsy facility according to any one of claims 1 to 32, wherein the or each enclosure further comprises digital photographic facilities.

20 34. The mobile containerized autopsy facility according to any one of claims 1 to 33, wherein the or each enclosure further comprises microwave disinfecting/sterilization facilities.

35. The mobile containerized autopsy facility according to any one of claims 1 to 34, wherein the or each enclosure further comprises an automatic disinfectant dosing system.

25 36. The mobile containerized autopsy facility according to any one of claims 1 to 35, wherein the or each enclosure further comprises equipment and space necessary for veterinary medicine and animal examination.

30 37. The mobile containerized autopsy facility according to any one of claims 1 to 36, wherein the or each enclosure further comprises equipment and space necessary for vivisection of research animals.

38. The mobile containerized autopsy facility according to any one of claims 1 to 37, wherein the or each enclosure further comprises equipment and space necessary for research laboratory environment.
- 5 39. The mobile containerized autopsy facility according to any one of claims 1 to 38, wherein said facility is readily transportable by trailer or by air to remote sites and is operable independently of local infrastructure.